

Recombinant MTAP (Tumor Suppressor Marker) Antibody

Mouse Monoclonal Antibody [Clone rMTAP/1813]

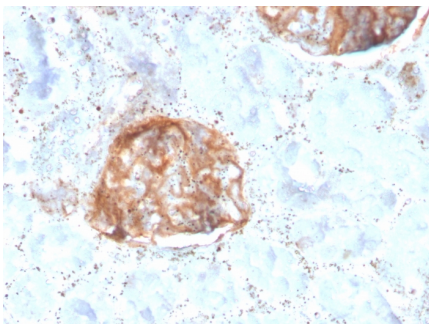
Catalog No	Format	Size
4507-MSM4-P0	Purified Ab with BSA and Azide	200ug/ml
4507-MSM4-P1	Purified Ab with BSA and Azide	200ug/ml
4507-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

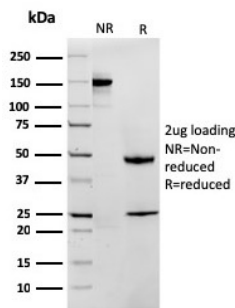
Product Details	
Clone	rMTAP/1813
Gene Name	MTAP
Immunogen	Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	31kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	A431, HT-29, HEK-293, HeLa or MCF-7 cells. Human kidney tissues (IHC)., HePG2

*Optimal dilution for a specific application should be determined.

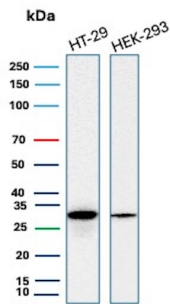
Product Images for Recombinant MTAP (Tumor Suppressor Marker) Antibody



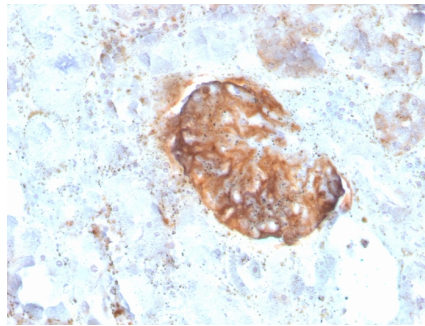
Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



SDS-PAGE Analysis of Purified MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HT-29 and HEK-293 cell lysates using MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).

Specificity & Comments

Recognizes a protein of 31kDa, which is identified as MTAP (5'-deoxy-5'-methylthioadenosine phosphorylase). It catalyzes the reversible phosphorylation of methylthioadenosine, which is important in polyamine metabolism and for the salvage of adenine and methionine. The gene encoding MTAP is linked to the tumor suppressor gene, p16INK4A. Deficient levels of MTAP can occur in cancers primarily through co-deletion of the MTAP gene and the p16INK4A gene. Cells expressing MTAP and possessing adenine salvage pathway activity may be less susceptible to malignancy due to growth-inhibitory actions of agents (e.g. antifolates), whose mechanism of action, in part, involves this de novo purine pathway.

Research Areas

Cardiovascular, Immunology, Cytokine Signaling

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0 for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.